

Federal Communications Commission Washington, D.C. 20554

November 4, 2019

Marlene H. Dortch Secretary, Federal Communications Commission 445 12th Street SW Washington, D.C. 20054

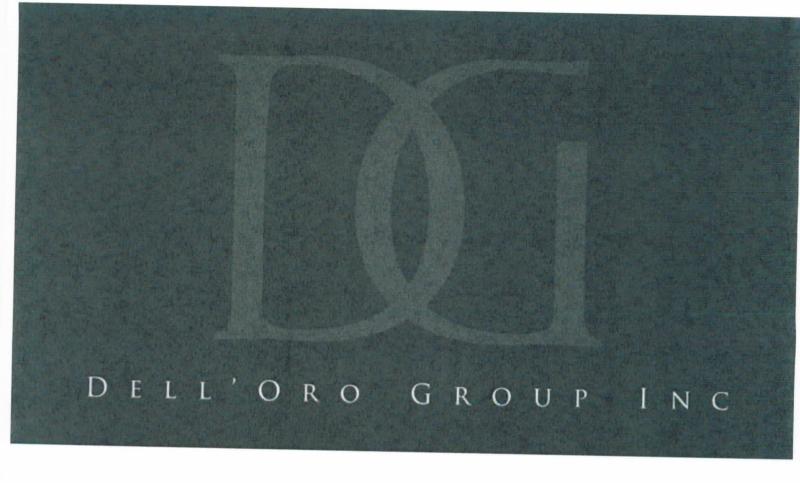
Dear Ms. Dortch,

On behalf of the Federal Communications Commission's Office of Economics and Analytics, I am entering into WC Docket No. 18-89 (Protecting Against National Security Threats to the Communications Supply Chain Through FCC Programs) excerpts from an August 16, 2019 report from the Dell'Oro Group entitled Mobile RAN Quarterly Report 2Q19. Because the report is not available to the public without a fee, we are submitting into the record only those portions relevant to the proceeding with the author's approval.

Sincerely,

Eric Ralph Associate Chief Office of Economics and Analytics Federal Communications Commission

¹ Dell'Oro Group, Inc., MobileRAN Quarterly Report 2Q19, Vol. 20, No. 2 at 28, 45 (Aug. 16, 2019), https://www.delloro.com/market-research/telecommunications-infrastructure/mobile-radio-access-network/.



MOBILE RAN QUARTERLY REPORT 2019

VOL. 20, NO.2 M1A

MARKET SUMMARY & VENDOR INFORMATION

TECHNOLOGY SEGMENTS

GSM CDMA WCDMA MOBILE WIMAX LTE FDD / TDD

WORLDWIDE & REGIONS

